PRAGATI ENGINEERING COLLEGE

(Autonomous)

1-378, ADB Road, Surampalem – 533 437, Near Peddapuram, Kakinada District, A.P
(Approved by AICTE, Permanently Affiliated to JNTUK Kakinada & Accredited by NBA)
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Ph: 08852 – 252233, 252234, 252235 Fax: 08852 – 252232, website:www.pragati.ac.in

Learning is Supreme Deity

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date: 05-03-2025

CIRCULAR

It is inform to all the students of B.Tech II, III & IV Year that the Student Chapter Institution of Engineers(India) Department of Electrical & Electronics Engineering is conducting "STUDENT SEMINAR ON AI ADOPTION IN ELECTRIC VEHICLES" on 07-03-2025. In this regard All the interested students participate actively.

Faculty coordinator: Mr. M.MANI SHANKAR

Student Coordinators: 23A31A0219-R.SRAVANI
23A31A0220-K.V.V.S.Anjani Kumari
23A31A0247-O.A.N.V.S.Manikanta
24A35A0205-D.Sai Venkat

Venue: MEC BLOCK –MS:12
Time: 2:00 PM

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Copy to:

1) Circulate among students and staff
2) Department Notice Board
3) Department File
4) Principal for Information

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date: 08-03-2024

REPORT
ON
STUDENT SEMINAR ON AI ADOPTION IN ELECTRIC VEHICES

The student seminar on AI Adoption in Electric Vehicles was held on 07-03-2025 at [MEC BLOCK MS-12]. The seminar aimed to explore the current state of AI adoption in electric vehicles (EVs), its benefits, challenges, and future prospects. This report summarizes the key takeaways from the seminar.

Keynote Speech

The keynote speech was delivered by [M.MANI SHANKAR], a renowned expert in AI and EVs. The speaker highlighted the growing importance of AI in the EV industry, citing examples of how AI is being used to optimize battery performance, improve charging infrastructure, and enhance the overall driving experience.

Technical Sessions

The seminar featured three technical sessions, each focusing on a specific aspect of AI adoption in EVs:

1. AI-powered Battery Management Systems: This session explored the use of AI in optimizing battery performance, prolonging lifespan, and reducing charging times.

2. AI-driven Autonomous Driving: This session discussed the role of AI in enabling autonomous driving features in EVs, including navigation, obstacle detection, and decision-making.

3. AI-based Energy Management Systems: This session examined the use of AI in optimizing energy consumption, reducing energy waste, and improving the overall efficiency of EVs.

Panel Discussion

The seminar concluded with a panel discussion featuring industry experts, academics, and students. The discussion focused on the challenges and opportunities associated with AI adoption in EVs, including:

- Data privacy and security concerns

- Integration with existing infrastructure

- Public acceptance and awareness

- Future research directions and collaborations

The student seminar on AI Adoption in Electric Vehicles was a resounding success, providing a platform for students, academics, and industry experts to share knowledge, ideas, and experiences. The seminar highlighted the significant potential of AI in transforming the EV industry and emphasized the need for continued research, innovation, and collaboration.

Recommendations

Based on the discussions and presentations, the following recommendations were made:

1. Increased investment in AI research and development: To accelerate the adoption of AI in EVs and address the challenges associated with it.

2. Industry-academia collaborations: To foster knowledge sharing, innovation, and talent development.

3. Public awareness and education: To promote the benefits and address concerns related to AI adoption in EVs.

Future Directions

The seminar identified several future directions for AI adoption in EVs, including:

1. Edge AI: To enable real-time processing and decision-making in EVs.

2. Transfer learning: To adapt AI models developed for other applications to the EV domain.

3. Human-machine interface: To design intuitive and user-friendly interfaces for AI-powered EVs.

48 Students were participated curiously during the event. Participations will be made at MEC BLOCK MS-12.The picture of the event and glimpses of slides presented were mentioned in the report stated.

Date & Time of Event :07.03.2025 @ 2:00 PM

Venue : MEC BLOCK MS-12

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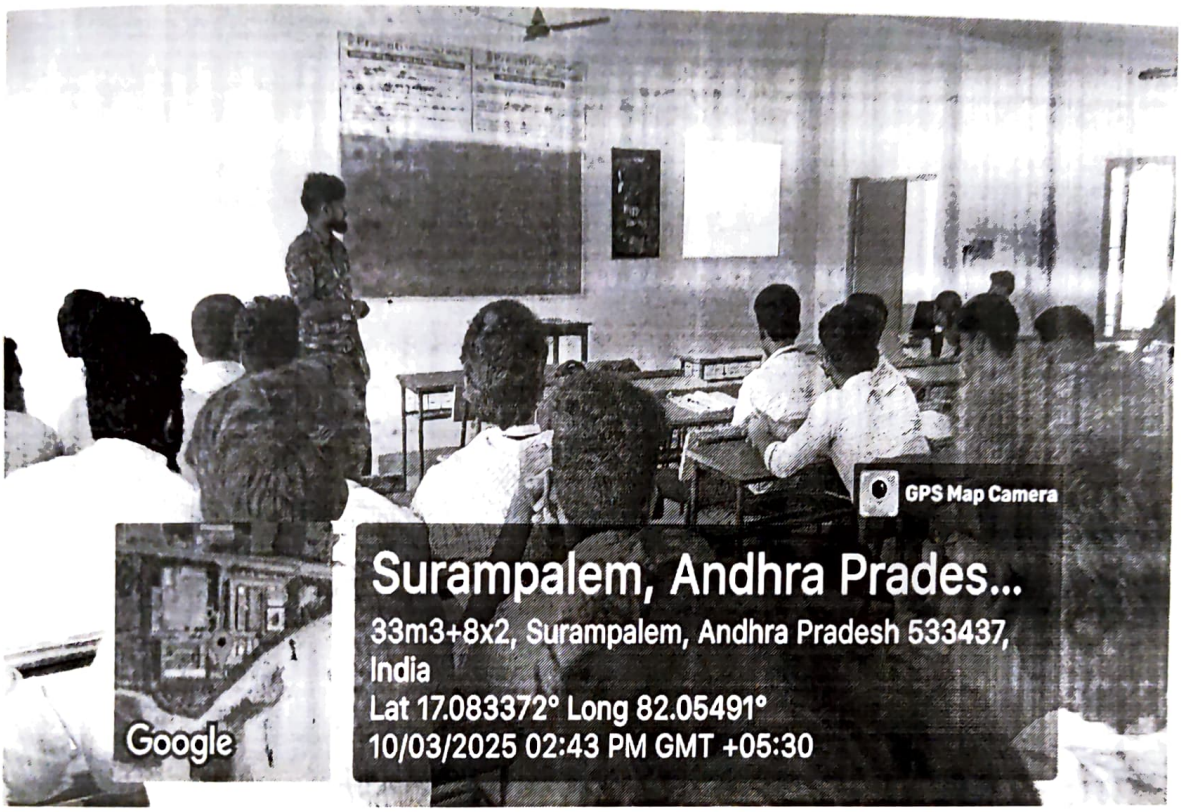

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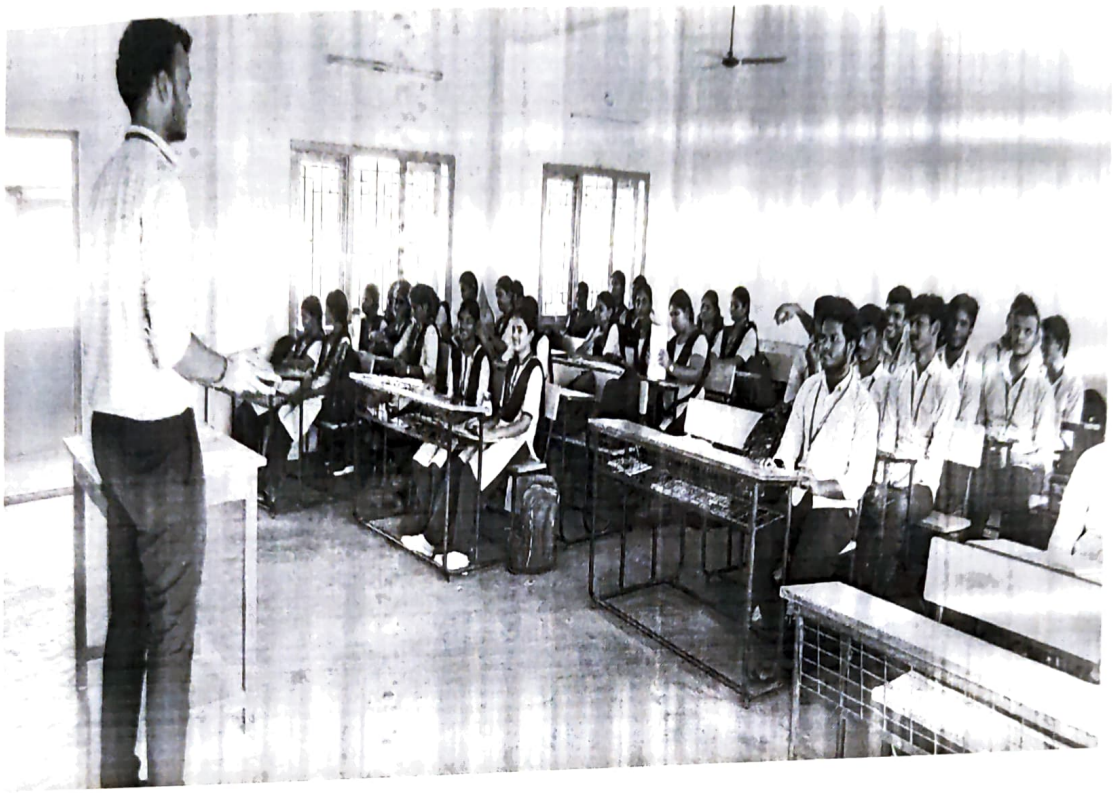

S. Nani Babu
IE(I) Coordinator

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Name of the Programme: STUDENT SEMINAR ON AI ADOPTION IN ELECTRIC VEHICLES

Date: 07-03-2025

S.NO	ROLL NUMBER	NAME OF THE STUDENT	SIGNATURE
1.	23A31A0208	K. Lalitha Sri	Lalitha
2.	23A31A0211	M. B. Srividya	M. B. Srividya
3.	23A31A0216	P. Chandini	P. Chandini
4.	23A31A0207	K. Sumathi	K. Sumathi
5	23A31A0209	M. Pooja Kowsika	M. Poojakowsika
6.	23A31A0224	B. Sridivya	B. Sridivya
7.	23A31A0203	G. Anusha	G. Anusha
8	23A31A0214	P. Sowmya	P. Sowmya
9.	23A31A0204	G. Varshitha	G. Varshitha
10.	23A31A0206	K. Aswini	K. Aswini
11.	23A31A0213	P. D. S. Ramya	P. D. S. Ramya
12	23A31A0217	P. Jyothsnapriya	
13	23A31A0222	B. Vyshnavika	
14	23A31A0210	M. Uma Nageswari	M. Uma
15	24A35A0203	V. Shalini	V. Shalini
16	23A31A0205	K. Mallikarjuni	K. Mallikarjuni
17	23A31A0212	P. Sravani	P. Sravani